

IETF 101 – London  
March 2018



MPLS Working Group

**MPLS Session:**

**Thursday, March 22, 2018 (GMT) - 9:30-12:00 Morning session I**

# Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

As a reminder:

- By participating in the IETF, you agree to follow IETF processes and policies.
- If you are aware that any IETF contribution is covered by patents or patent applications that are owned or controlled by you or your sponsor, you must disclose that fact, or not participate in the discussion.
- As a participant in or attendee to any IETF activity you acknowledge that written, audio, video, and photographic records of meetings may be made public.
- Personal information that you provide to IETF will be handled in accordance with the IETF Privacy Statement.
- As a participant or attendee, you agree to work respectfully with other participants; please contact the ombudsteam (<https://www.ietf.org/contact/ombudsteam/>) if you have questions or concerns about this.

Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- BCP 9 (Internet Standards Process)
- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
- <https://www.ietf.org/privacy-policy/> (Privacy Policy)



**I E T F**

# Administrative

- Audio Streaming/Recording
  - Please speak only using the microphones
  - Please state your name before speaking
- Data tracker: <http://datatracker.ietf.org/wg/mpls/>
- Minute takers & Etherpad
  - <http://tools.ietf.org/wg/mpls/minutes>
- Meet Echo:
  - <http://ietf101.conf.meetecho.com/>
- Online Agenda and Slides at:  
<https://datatracker.ietf.org/meeting/101/materials/>

# Agenda Bashing – Admin

- Agenda (<https://datatracker.ietf.org/meeting/101/agenda/mpls>):

MPLS session - Thursday, March 22, 2018 (GMT) - 9:30-12:00 Thursday Morning session I			
No.	I-D	Version	Presenter
1	Agenda bashing, WG status reports	-	Chairs
2	<a href="#">draft-nslag-mpls-deprecate-md5</a>	2	Stewart Bryant
3	<a href="#">draft-farrel-mpls-sfc</a>	4	Stewart Bryant
4	<a href="#">draft-xu-mpls-sr-over-ip</a>	0	Xiaohu
5	<a href="#">draft-wijnands-mpls-mldp-multi-topology-00</a>	0	Ice Wijnands
6	<a href="#">draft-ietf-mpls-ldp-yang</a>	4	Kamran Raza
7	<a href="#">YANG model of LSP Ping (draft-zheng-mpls-lsp-ping-yang-cfg)</a>	7	Greg Mirsky
8	<a href="#">YANG model of MPLS-TP OAM (draft-zhang-mpls-tp-yang-oam)</a>	5	Greg Mirsky
9	mplswg-related multi-vendor interoperability testing	-	Carsten Rossenhoevel
10	draft-xie-mpls-ldp-bier-extension draft-xie-mpls-rsvp-bier-extension	0	Jingrong Xie/Zhenbin Li
11	<a href="#">draft-ama-mpls-fm-rdi-00</a>	0	Mahesh Jethanandani

# Agenda Bashing - Admin

- Fill in the [Blue Sheets](#), and it pass on.
- Return to WG Chairs

# WG Status (Errata)

Status: **Reported** (4)

RFC Number (Errata ID)	Section	Type	Source of RFC	Submitted By	Date Submitted
RFC7307 ( <a href="#">5145</a> )	4.3.2	Editorial	mpls (rtg)	Sandra Murphy	2017-10-05
RFC7307 ( <a href="#">5146</a> )	4.3.3	Editorial	mpls (rtg)	Sandra Murphy	2017-10-05
RFC8029 ( <a href="#">5102</a> )	3.2.5	Editorial	mpls (rtg)	Alexander Okonnikov	2017-08-30
RFC8029 ( <a href="#">5103</a> )	3.2.6	Editorial	mpls (rtg)	Alexander Okonnikov	2017-08-30

# WG Status (Liaisons)

- **Liaisons** (since last meeting) – from MPLS:

**None.**

# WG Status (Liaisons)

- **Liaisons** (since last meeting) – **to MPLS**:

Date	From	To	Deadline	Title
2018-03-02	ITU-T	mpls, pals		<a href="#">LS - Intent to initiate approval of MPLS-TP Recommendations</a>
2018-03-02	ITU-T	ccamp, mpls, pals, pce, teas	2018-10-01 Action Needed	<a href="#">LS - OTNT Standardization Work Plan</a>
2017-08-08	BROADBAND-FORUM	bess, mpls, RTG	2017-09-06 Action Needed	<a href="#">Review and Comment on TR-350 Issue 2 - Ethernet Services using BGP MPLS Based Ethernet VPNs (EVPN) – ELINE and ETREE</a>
2017-07-06	ITU-T-SG-15	ccamp, mpls, pals, pce, teas	2018-01-16 Action Needed	<a href="#">LS on OTNT Standardization Work Plan</a>



# Document Status

Since IETF100

## \*\*\* New RFCs

- RFC8287 - Label Switched Path (LSP) Ping/Traceroute for Segment Routing (SR) IGP-Prefix and IGP-Adjacency Segment Identifiers (SIDs) with MPLS Data Planes
- RFC8320 - LDP Extensions to Support Maximally Redundant Trees

## \*\*\* Docs in RFC Ed Queue

- draft-ietf-mpls-flow-ident

## \*\*\* Docs in IESG

- draft-ietf-mpls-spring-entropy-label

## \*\*\* New WG Docs

- draft-ietf-mpls-egress-protection-framework
- draft-ietf-mpls-rsvp-shared-labels

# Document Status

Since IETF100

## \*\*\* Updated WG Docs

- draft-ietf-mpls-base-yang
- draft-ietf-mpls-bfd-directed
- **draft-ietf-mpls-ldp-yang**
- draft-ietf-mpls-lsp-ping-lag-multipath
- draft-ietf-mpls-mldp-yang
- draft-ietf-mpls-rfc6374-sfl
- draft-ietf-mpls-ri-rsvp-frr
- draft-ietf-mpls-rmr
- draft-ietf-mpls-rsvp-shared-labels
- draft-ietf-mpls-sfl-framework
- draft-ietf-mpls-static-yang

## \*\*\* Existing WG Docs

- draft-ietf-mpls-mldp-mib
- draft-ietf-mpls-summary-frr-rsvpte

# Document Status

Since IETF100

## \*\*\* New Individual Docs

- [draft-ama-mpls-fm-rdi](#)
- draft-bryant-detnet-mpls-dp (driven in DETNET WG)
- draft-gandhi-spring-sr-mpls-pm (driven in SPRING WG)
- draft-li-mpls-path-programming
- draft-nslag-mpls-deprecate-md5
- [draft-wijnands-mpls-ldp-multi-topology](#)
- [draft-xie-mpls-ldp-bier-extension](#)
- [draft-xie-mpls-rsvp-bier-extension](#)
- [draft-xu-mpls-sr-over-ip](#)

# Document Status

Since IETF100

## \*\*\* Updated Individual Docs

- [draft-farrel-mpls-sfc](#)
- draft-mirsky-mpls-p2mp-bfd
- [draft-nslag-mpls-deprecate-md5](#)
- draft-wijnandsxu-bier-non-mpls-bift-encoding (driven in BIER WG)
- draft-xie-bier-mvpn-mpls-p2mp (driven in BIER WG)
- draft-xu-bier-non-mpls-encap-over-udp (driven in BIER WG)
- draft-xu-mpls-payload-protocol-identifier
- [draft-zheng-mpls-lsp-ping-yang-cfg](#)

## \*\*\* Existing Individual Docs

- draft-bryant-mpls-sfl-control
- draft-mirsky-mpls-bfd-bootstrap-clarify
- [draft-zhang-mpls-tp-yang-oam](#)

# Progress Report Update(s)

I-D: <draft-ietf-mpls-rsvp-shared-labels>

- Current status (revision -01)

- *Recent changes:*

- Adopted in Dec; New revision (-01) posted early March.
    - 01 Edits:
      - IANA section: Added a couple of code-point requests for PathErr (Code-24) error-values.
      - Node-protection: The authors would like to introduce the node-protection aspects in a separate draft. Made a few edits to the WG draft to reflect this.

- There are currently no open items/issues.

- *Next steps:*

- *The authors would like to request the WG to review the recent edits.*

# Progress Report Update(s)

I-D: <draft-ietf-mpls-summary-frr-rsvp>

- Current status: (revision -00)
  - *A revision (-01) will be posted on March 20*
    - Changes will include reusing the Extended ASSOCIATION object instead of defining a new Object for FRR\_ACTIVE SUMMARY\_FRR\_BYPASS
- *Next steps:*
  - *Post the new revision*
  - *Solicit more feedback from the WG*
  - *Progress towards WGLC*

# Progress Report Update(s)

I-D: < draft-ietf-mpls-base-yang>

I-D: < draft-ietf-mpls-static-yang>

- Current status: (revision -06 and -05)
  - *Received review comments from Tom Petch, thanks!*
- *Next steps:*
  - *Team is working on addressing the review comments and posting an updated revision*
  - *Solicit more feedback from previous reviewers and the WG*

# Progress Report Update(s)

I-D: < draft-ietf-mpls-rmr >

- Current status: (revision -07)
  - *draft will be updated and new revision posted*
- *Next steps:*
  - *None*



# Progress Report Update(s)

I-D: < draft-ietf-mpls-lsp-ping-lag-multipath >

- Current status: (revision -03)
  - *The authors think that draft-ietf-mpls-lsp-ping-lag-multipath-03 is ready for WG last call*
  
- *Next steps:*
  - *None*

# Progress Report Update(s)

I-D: <draft-ietf-mpls-mldp-yang>

- Current status: (revision -03)
  - *In YANG Dr. review*
  
- *Next steps:*
  - *Address any comments*

# Progress Reports

- Reminder to send progress report updates for WG documents that are not presented in WG session to the chairs and copy email list

# GEORGE SWALLOW

## THANKS FOR ALL YOUR SUPPORT OF IETF



- Chair of 1<sup>st</sup> MPLS Working Group Meeting (IETF38), Chair for more than 20+ Years
- More than 40 RFCs
- First RFC: RFC2105 (1997) on Cisco's Tag Switching
- Authored first RFC on RSVP Traffic Engineering (RFC 3209)
- Made LSP Ping a reality (RFC 4379)
- Mentored many IETFers – participation, authoring, chairing, all aspects!